

least one protrusion to engage the at least one notch in the first end of the supply core tube and the take-up core tube;

a second spool having an inner portion, a flange, a shaft portion, a gear and an outer portion, at least one protrusion extending from the flange along the inner portion to engage the at least one notch in the second end of the supply core tube;

a third spool having an inner portion, a flange, a shaft portion, a gear, and an outer portion, the inner portion having at least one engagement member to engage at least one receiving channel of the at least one receiving channel in the second end of the take-up core tube; and

an ink sheet extending from the supply core tube to the take-up core tube.--

--112. The ink sheet set according to claim 111, wherein a largest diameter of the inner portion of each first spool is substantially equal to a diameter of the inner surface at the first end of the supply core tube and the take-up core tube.--

--113. The ink sheet set according to claim 112, wherein the inner portion of each first spool comprises a plurality of axially extending ribs on an outer surface.--

--114. The ink sheet set according to claim 111, wherein the at least one notch at the first end of the supply core tube and the take-up core tube is a single notch and the at least one protrusion for each of the first spools is a single protrusion. --

--115. The ink sheet set according to claim 111, wherein the second end of the supply core tube has a pair of notches and the second spool has a pair of corresponding protrusions.--

--116. The ink sheet set according to claim 115, wherein the pair of notches are offset 180° from each other.--

--117. An ink ribbon set, comprising:

a supply tube having a first end with a notch in the first end and a second end with at least one notch in the second end;

a take-up tube having a first end with a notch in the first end and a second end having an engaging mechanism within the second end of the take-up tube; and  
an ink sheet attached at one end to the supply tube and attached at a second end to the take-up tube.--

--118. The ink ribbon set according to claim 117, wherein the at least one notch in the second end of the supply tube comprises two notches.--

--119. The ink ribbon set according to claim 118, wherein the pair of notches are offset 180° from each other.--

--120. The ink ribbon set according to claim 117, wherein the engaging mechanism is at least one protrusion into the core of the tube.--

--121. The ink ribbon set according to claim 117, wherein the engaging mechanism is a plurality of grooves cut into an inner surface of the take-up core tube.--

--122. The ink ribbon set according to claim 117, wherein the engaging mechanism is a recess in an inner surface of the take-up core tube.--

--123. The ink ribbon set according to claim 122, wherein the recess is a hole through the take-up core tube.--

--124. The ink ribbon set according to claim 117, wherein the engaging mechanism is a camming mechanism having an engagement face and a cam face.--

--125. The ink ribbon set according to claim 117, wherein the engaging mechanism is a plurality of notches in the end of the take-up core tube, at least one notch having an L-shape.--

--126. The ink ribbon set according to claim 117, wherein the engaging mechanism is an inner surface of the core tube with an appropriate coefficient of friction.--

--127. An ink sheet ribbon, comprising:  
a supply core tube having a first end and a second end with at least one notch in each of the first end and the second end;